

FURLEX



GUIDELINES WHEN CHOOSING FURLEX

Note 1: Righting moment is the primary value when selecting the correct type of Furlex. Displacement figures could be a guideline for **monohull** yachts. When in doubt, (Furlex seems over/undersized), refer to Seldén Mast for advice.

For more information click here to contact American Rigging Supply, Inc.

Note 2: When selecting a Furlex for a **multihull** yacht, righting moment is the sole criteria.

Righting moment formulas:

Catamarans: $RM = 0.5 \times B \times D$

Trimarans: $RM = 0.4 \times B \times D$

where

RM = Max. righting moment (Newton metres, Nm)

B = Distance between hull centres (metres, m)
or approximately 0.8 x max beam

D = Displacement (Newtons, N)

MASTHEAD RIGGED YACHTS						FRACTIONAL RIGGED YACHTS			
Max. righting moment at 30° heel	Approx. displ. metric tons	FORESTAY		INNER FORESTAY [Ⓞ]		Max. righting moment at 30° heel	Approx. Displ. Metric tons	FORESTAY	
		Furlex type	∅ mm	Furlex type	∅ mm			Furlex type	∅ mm
6 500 Nm 4 700 FTxLBS	1.4	50S	4	—		8 000 Nm 5 800 FTxLBS	1.7	50S	4
8 500 Nm 6 150 FTxLBS	1.8	“	5	—		11 000 Nm 7 900 FTxLBS	2.5	“	5
6 500 Nm 4 700 FTxLBS	1.4	100S	4	—		8 000 Nm 5 800 FTxLBS	1.7	100S	4
10 000 Nm 7 200 FTxLBS	2.1	“	5	—		14 500 Nm 10 000 FTxLBS	3.0	“	5
17 000 Nm 12 250 FTxLBS	3.5	“	6	—		22 000 Nm 15 850 FTxLBS	4.0	“	6
19 000 Nm 13 600 FTxLBS	3.5	200S	6	100S	5	23 000 Nm 16 500 FTxLBS	4.5	200S	6
27 000 Nm 19 400 FTxLBS	5.5	“	7	200S 100S[Ⓞ]	6	34 000 Nm 24 400 FTxLBS	7.0	“	7
37 000 Nm 26 800 FTxLBS	7.5	“	8	200S	7	45 000 Nm 32 400 FTxLBS	9.0	“	8
40 000 Nm 28 800 FTxLBS	8.0	300S	8	200S	7	50 000 Nm 36 000 FTxLBS	10.0	300S	8
70 000 Nm 50 400 FTxLBS	14.0	“	10	200S	8	80 000 Nm 57 600 FTxLBS	15.0	“	10
120 000 Nm 86 400 FTxLBS	20.0	400S	12	300S	10	160 000 Nm 115 000 FTxLBS	26.0	400S	12
180 000 Nm 130 000 FTxLBS	28.0	“	14	300S	10	190 000 Nm 137 000 FTxLBS	30.0	“	14
230 000 Nm 165 000 FTxLBS	38.0	500S	16	400S	12	250 000 Nm 180 000 FTxLBS	40.0	500S	16

Ⓞ Furlex for inner forestay – on following conditions:

1. The height of the inner foretriangle must not exceed 80% of the main (outer) foretriangle height.
2. The foot of the cutter jib must not exceed 80% of the main (outer) foretriangle base.

Ⓞ **100S** 6mm for inner forestay: Max RM 23 000 Nm (16 500 FTxLBS) at 30° heel.